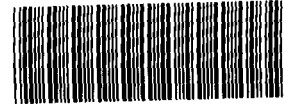


NOTICE

All drawings located at the end of the document.



000063569

MEMORANDUM

TO Leon Klotz, EOM, Bldg 080, X8699

FROM Mark Wood, Group 2 Closures, Bldg 080, X8784 *new*

DATE July 27, 1994

SUBJECT OU7 CERCLA Groundwater Well Sampling and Monitoring Labor Estimates

Per our conversation, I am requesting a labor cost estimate for FY95 OU7 CERCLA groundwater monitoring and sampling activities. Two tasks are involved, one is to estimate the labor involved to monitor and sample the twenty-one (21) existing CERCLA monitoring program wells, and two, to estimate the labor involved to monitor and sample six (6) new monitoring wells. The new wells will be installed during the fourth quarter of 1994 and will require monitoring and sampling on a monthly basis for four months upon completion of well development activities. At the completion of the four month monitoring period, the new wells can be transferred to the sitewide groundwater monitoring program. The new wells will be ideal to add to the RCRA monitoring program as downgradient compliance monitoring points.

Dissolved oxygen measurements will be required from the new wells from the first bailer and during purging as well as the standard field parameters. The new wells will be analyzed for VOCs, SVOCs, dissolved and total metals (standard and additional), water-quality parameters (Cl, F, SO₄, Si, CO₃, HCO₃, TDS, and TSS), dissolved and total gross alpha and gross beta, dissolved and total Pu^{239/240}, dissolved and total Am²⁴¹, dissolved and total U^{233/234}, dissolved and total U²³⁵, dissolved and total U²³⁸, dissolved and total Sr^{89/90}, dissolved and total Cs¹³⁷, tritium, nitrate/nitrite, cyanide, and sulfide. This analyte list is the same as that used during the Phase I RFI/RI for OU7.

We need these labor estimates no later than Close of Business on July 28, 1994. If you have any questions please contact me at the above extension, thank you.

cc L. Peterson-Wright

ADMIN RECCRD

BZ-A-000469

1/6

MEMORANDUM

TO Leon Klotz, EOM, Bldg 080, X8699

FROM Mark Wood, Group 2 Closures, Bldg 080, X8784 *mev*

DATE July 29, 1994

SUBJECT OU7 CERCLA Groundwater

Per our conversation and my conversation with Myra Vagg with S M Stollar, I am transferring the following OU7 Phase I groundwater monitoring wells over to the sitewide groundwater monitoring program

70093, 70193, 70293, 70393, 70493, 70593, 70693, 70893, 71193, 71493, 71693, 71893, 72093, 72293, 72393, and 72493

Per my memorandum of July 27, 1994, regarding cost estimates for FY95 OU7 CERCLA groundwater monitoring and sampling activities, please reduce the total of 21 existing by 16 for a total of 5. If you have any questions please contact me at the above extension, thank you

cc L Peterson-Wright

P. 2.052

PRESENT SANITARY LANDFILL AREA, OU 7

49 Monitoring Wells Considered for RCRA Appendix 9 Sampling

Well ID	HSU
0586	upper
0686	upper
0786	upper
0886	lower
0986	lower
1086	upper
4087	upper
4187	lower
4287	upper
5887	upper
6087	upper
6187	upper
6287	upper
6487	upper
6587	upper
6687	upper
6887	upper
7087	upper
7187	upper
7287	upper
B106089	upper
B206289	upper
B206489	upper
B206589	upper
B206689	upper
B206789	upper
B206889	upper
B206989	upper
B207089	upper
B207289	upper
76792	upper
76992	upper
77392	upper
70093-	upper
70193-	upper
70293-	lower
70393-	upper
70493-	upper
70593-	lower
70693-	upper
70893-	lower
71193-	upper
71493-	upper
71693-	upper
71893-	upper
72093-	upper
72293-	upper
72393-	upper
72493-	upper

21-16

691-1357

The S.M. Stoller Corporation
Informal Memorandum

To: Brian Caruso, Myra Vaag
From: John Jankousky
Date: 1/27/95
Subject: Analytical Results from New Wells

The analytical results from well 53194 (alluvium) and well 53094 (unweathered bedrock) were compared to the Upper Tolerance Limits, 99% level of confidence, 99% of population (UTL_{99/99}) for the upper and lower flow systems, respectively. UTL_{99/99} values were taken from Background Geochemical Characterization Report, EG&G 1993. The results are presented below.

For alluvial well 53194:

- Volatile organic concentrations were all nondetects, with the following exceptions
 - Methylene Chloride, 1 BJ, ug/L
 - Butylbenzylphthalate, 1 BJ, ug/L
- All dissolved metal concentrations were below UTL_{99/99} values, with the following exceptions
 - Sodium (d) result = 184,000 ug/L compared to UTL_{99/99} = 133,758 ug/L
 - The following metals were above detection limits and UTL_{99/99} values were not available: arsenic (d), beryllium (d), silicon (d)
- All total metal concentrations were below UTL_{99/99} values, with the following exceptions
 - Lithium (t) result = 160 ug/L compared to UTL_{99/99} = 147.37 ug/L
 - Sodium (t) result = 188,000 ug/L compared to UTL_{99/99} = 123,327 ug/L
 - Lead (t) result = 50.5 ug/L compared to UTL_{99/99} = 11.75 ug/L
 - The following metals were above detection limits and UTL_{99/99} values were not available: silver (t) and beryllium (t)

- All water quality parameter concentrations were below UTL_{99/99} values, with the following exceptions
 - Flouride result = 2,090 ug/L compared to UTL_{99/99} = 1,710 ug/L
 - The following water quality parameter concentration was above detection limits and a UTL_{99/99} values was not available sulfide
- All radionuclide concentrations were below UTL_{99/99} values where UTL_{99/99} values were available
A UTL_{99/99} value was not available for cesium-134 The result for this analyte was negative

For unweathered bedrock well 53094:

- Volatile organic concentrations were all nondetects
- Dissolved metal concentrations were not reported
- All total metal concentrations were below UTL_{99/99} values, with the following exception
 - Nickel (t) result = 35.2 ug/L compared to UTL_{99/99} = 32.89 ug/L
 - The following metal was above detection limits and a UTL_{99/99} values was not available beryllium (t)
- All water quality parameter concentrations were below UTL_{99/99} values, with the following exceptions
 - Chloride result = 887,999 ug/L compared to UTL_{99/99} = 489,654 ug/L
 - Total dissolved solids result = 1,720,000 ug/L compared to UTL_{99/99} = 1,582,665 ug/L
- All radionuclide concentrations were below UTL_{99/99} values

